RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/571,865_

Source: _1FWO_

Date Processed by STIC: _10/20/06_

ENTERED

IFWO

RAW SEQUENCE LISTING   DATE: 10/20/2006
PATENT APPLICATION: US/10/571,865   TIME: 08:42:56

Input Set : **F:\2345.2058-003 SEQ LIST.txt**
Output Set: **N:\CRF4\10202006\J571865.raw**

```
  4 <110> APPLICANT: Bjornsdottir, Soley
  5        Kong, Augustine
  6        Thorgeirsson, Thorgeir E.
  8 <120> TITLE OF INVENTION: Inversion on Chromosome 8P23 is a Risk
  9        Factor for Anxiety Disorders, Depression and Bipolar
 10        Disorders
 12 <130> FILE REFERENCE: 2345.2058-003
 14 <140> CURRENT APPLICATION NUMBER: 10/571,865
C--> 15 <141> CURRENT FILING DATE: 2006-03-14
 17 <150> PRIOR APPLICATION NUMBER: PCT/US2004/030699
 18 <151> PRIOR FILING DATE: 2004-09-17
 20 <150> PRIOR APPLICATION NUMBER: 60/504,307
 21 <151> PRIOR FILING DATE: 2003-09-19
 23 <160> NUMBER OF SEQ ID NOS: 293
 25 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 27 <210> SEQ ID NO: 1
 28 <211> LENGTH: 20
 29 <212> TYPE: DNA
 30 <213> ORGANISM: Homo sapiens
 32 <400> SEQUENCE: 1
 33 ctggctcttc ctgccctaat                                        20
 35 <210> SEQ ID NO: 2
 36 <211> LENGTH: 20
 37 <212> TYPE: DNA
 38 <213> ORGANISM: Homo sapiens
 40 <400> SEQUENCE: 2
 41 tttctggtgg gcatgtatgt                                        20
 43 <210> SEQ ID NO: 3
 44 <211> LENGTH: 197
 45 <212> TYPE: DNA
 46 <213> ORGANISM: Homo sapiens
 48 <400> SEQUENCE: 3
 49 ctggctcttc ctgccctaat accggctgcc cgtacgggac tgctcacctc ctgcagggag 60
 50 ccggacgtct gtggcgatct ccctcccgcc atgacacccc ctacctgtcc tccatcatat 120
 51 gggacacaca cacacacaca cacacacccc tacgcacacc cacaccccac atgcacatca 180
 52 tacatgccca ccagaaa                                           197
 54 <210> SEQ ID NO: 4
 55 <211> LENGTH: 22
 56 <212> TYPE: DNA
 57 <213> ORGANISM: Homo sapiens
 59 <400> SEQUENCE: 4
 60 tggaaggccc tctttaacag ta                                     22
 62 <210> SEQ ID NO: 5
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RAW SEQUENCE LISTING   DATE: 10/20/2006
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Input Set : F:\2345.2058-003 SEQ LIST.txt
Output Set: N:\CRF4\10202006\J571865.raw

```
63 <211> LENGTH: 20
64 <212> TYPE: DNA
65 <213> ORGANISM: Homo sapiens
67 <400> SEQUENCE: 5
68 gccaccctaa ccctaccaag                                          20
70 <210> SEQ ID NO: 6
71 <211> LENGTH: 159
72 <212> TYPE: DNA
73 <213> ORGANISM: Homo sapiens
75 <400> SEQUENCE: 6
76 tggaaggccc tctttaacag taggtatttg aagtgttata aaaaaaaaaa aaaggtgaat 60
77 ttttctttta tttctcagtt tgaaagaaca gctttattct tggttattcc taatgtccac 120
78 ctagtcctct tttactttc ttggtagggt tagggtggc                      159
80 <210> SEQ ID NO: 7
81 <211> LENGTH: 26
82 <212> TYPE: DNA
83 <213> ORGANISM: Homo sapiens
85 <400> SEQUENCE: 7
86 cacatatttg taggaactct caaagc                                   26
88 <210> SEQ ID NO: 8
89 <211> LENGTH: 23
90 <212> TYPE: DNA
91 <213> ORGANISM: Homo sapiens
93 <400> SEQUENCE: 8
94 gcattacaca acctctttac cag                                      23
96 <210> SEQ ID NO: 9
97 <211> LENGTH: 189
98 <212> TYPE: DNA
99 <213> ORGANISM: Homo sapiens
101 <400> SEQUENCE: 9
102 cacatatttg taggaactct caaagcgttt tccaataaga attaaattgc aaatgacaat 60
103 taagttttta aaccagtccc caaaatctta atttgattgt agttacaaaa gaactagttc 120
104 aagttcgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtctgg taaagaggtt 180
105 gtgtaatgc                                                     189
107 <210> SEQ ID NO: 10
108 <211> LENGTH: 26
109 <212> TYPE: DNA
110 <213> ORGANISM: Homo sapiens
112 <400> SEQUENCE: 10
113 aaaccattta acacaggata aactca                                  26
115 <210> SEQ ID NO: 11
116 <211> LENGTH: 21
117 <212> TYPE: DNA
118 <213> ORGANISM: Homo sapiens
120 <400> SEQUENCE: 11
121 gggtacactt ccatctgacc a                                       21
123 <210> SEQ ID NO: 12
124 <211> LENGTH: 185
125 <212> TYPE: DNA
```

```
126 <213> ORGANISM: Homo sapiens
128 <400> SEQUENCE: 12
129 aaaccattta acacaggata aactcatagt tacattaaaa gataggaaaa tacacacaca 60
130 cacacacaca cacacacaca cataccacac aaacacacat acatgcacac acacacacat 120
131 ttcggttact agttggtttc agtcaaggat aaaaattctt aaattggtca gatggaagtg 180
132 taccc                                                          185
134 <210> SEQ ID NO: 13
135 <211> LENGTH: 21
136 <212> TYPE: DNA
137 <213> ORGANISM: Homo sapiens
139 <400> SEQUENCE: 13
140 gacggatttc agagtcacca a                                          21
142 <210> SEQ ID NO: 14
143 <211> LENGTH: 20
144 <212> TYPE: DNA
145 <213> ORGANISM: Homo sapiens
147 <400> SEQUENCE: 14
148 tgcagaagtc ctctgtttgc                                            20
150 <210> SEQ ID NO: 15
151 <211> LENGTH: 381
152 <212> TYPE: DNA
153 <213> ORGANISM: Homo sapiens
155 <400> SEQUENCE: 15
156 gacggatttc agagtcacca aggatggcca atgatgtggt ggttaagagc atgaacactg 60
157 gtgcttcacg gcctgggttc gggtcctgac tcaatgctta ctggctgtgt gttttggaaa 120
158 aggcccttaa tctctctctg tttcagcttc ccatctataa aatgtggata atgacaatac 180
159 atacctcatg cagttattag aaagattcaa tgagttatta tttataaact gctcaaaaca 240
160 gcaccatgta catagaaagt gctcgttaaa tggatggatg gatggatgga tggatggatg 300
161 gatggatgga tggatgggtg catggatgga tggatgaata gatcaatgga tggataaaca 360
162 ggcaaacaga ggacttctgc a                                          381
164 <210> SEQ ID NO: 16
165 <211> LENGTH: 20
166 <212> TYPE: DNA
167 <213> ORGANISM: Homo sapiens
169 <400> SEQUENCE: 16
170 ccgatgggta tttgttccac                                            20
172 <210> SEQ ID NO: 17
173 <211> LENGTH: 20
174 <212> TYPE: DNA
175 <213> ORGANISM: Homo sapiens
177 <400> SEQUENCE: 17
178 gaggaaagga cacagggaca                                            20
180 <210> SEQ ID NO: 18
181 <211> LENGTH: 170
182 <212> TYPE: DNA
183 <213> ORGANISM: Homo sapiens
185 <400> SEQUENCE: 18
186 ccgatgggta tttgttccac gttttctatt ttagtcagtt ctacctttag agttctttac 60
187 acacacacac acacacacac acacacacag catctcactt aatttattc atccttcaaa 120
```

```
188 gttcatctta ggtcatttct tcccctcctt tgtccctgtg tcctttcctc      170
190 <210> SEQ ID NO: 19
191 <211> LENGTH: 25
192 <212> TYPE: DNA
193 <213> ORGANISM: Homo sapiens
195 <400> SEQUENCE: 19
196 tttctgaaac tccataaact catca                                  25
198 <210> SEQ ID NO: 20
199 <211> LENGTH: 25
200 <212> TYPE: DNA
201 <213> ORGANISM: Homo sapiens
203 <400> SEQUENCE: 20
204 gaactctacc aagtttgtct tctgg                                  25
206 <210> SEQ ID NO: 21
207 <211> LENGTH: 178
208 <212> TYPE: DNA
209 <213> ORGANISM: Homo sapiens
211 <400> SEQUENCE: 21
212 tttctgaaac tccataaact catcagatta tttttacttt aaatgctata aacctgaagt 60
213 atttctttac ttgacacaca cacacacaca cacacacaca cacactcata cacatttcat 120
214 acttttgcat caaagctggt cataaaattg gtaccagaag acaaacttgg tagagttc   178
216 <210> SEQ ID NO: 22
217 <211> LENGTH: 20
218 <212> TYPE: DNA
219 <213> ORGANISM: Homo sapiens
221 <400> SEQUENCE: 22
222 acatcctctt ccagcagaca                                        20
224 <210> SEQ ID NO: 23
225 <211> LENGTH: 21
226 <212> TYPE: DNA
227 <213> ORGANISM: Homo sapiens
229 <400> SEQUENCE: 23
230 tggaagctgc taaggagaac a                                      21
232 <210> SEQ ID NO: 24
233 <211> LENGTH: 373
234 <212> TYPE: DNA
235 <213> ORGANISM: Homo sapiens
237 <400> SEQUENCE: 24
238 acatcctctt ccagcagaca cccacaaagt actattcagt ttgcactgta acaaatgtta 60
239 tttctgggcc tcagtgagat aatggtaagt gaatgtaatt cactctcatt aatatattaa 120
240 aatgagtatg aattttaaat tagaaggaac aagtccatgg tcgaagaatt gaaattggat 180
241 ttatgtgatt tgacttcgta gtcatttatc tacaatactc attgatacta attgcacagt 240
242 ttcctcttca cattcccact gggcagcacg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg 300
243 tgcatgtgtt atgtatttga attaaaagac actgagaagt agcgcctaaa aatgttctcc 360
244 ttagcagctt cca                                               373
246 <210> SEQ ID NO: 25
247 <211> LENGTH: 20
248 <212> TYPE: DNA
249 <213> ORGANISM: Homo sapiens
```

RAW SEQUENCE LISTING   DATE: 10/20/2006
PATENT APPLICATION: US/10/571,865   TIME: 08:42:56

Input Set : **F:\2345.2058-003 SEQ LIST.txt**
Output Set: **N:\CRF4\10202006\J571865.raw**

```
251 <400> SEQUENCE: 25
252 tcttccgccc tgtgtctatc                                                    20
254 <210> SEQ ID NO: 26
255 <211> LENGTH: 20
256 <212> TYPE: DNA
257 <213> ORGANISM: Homo sapiens
259 <400> SEQUENCE: 26
260 tcaagcggaa gatttgtcct                                                    20
262 <210> SEQ ID NO: 27
263 <211> LENGTH: 257
264 <212> TYPE: DNA
265 <213> ORGANISM: Homo sapiens
267 <400> SEQUENCE: 27
268 tcttccgccc tgtgtctatc taggtcaggc ttctcaaacc tcaccatggc agatgcatca 60
269 tttggagacc ttgtgaaaat gtagactctg attccctagg tcaagggctg agattctgca 120
270 tttctttcaa aatcccaggt gatgctgctg ctgctgctgc tgctgctgct gctgctgctg 180
271 ctggtctaga ccacattttc agaagtaagg atttaaacaa tcagcaccca gggagctagg 240
272 acaaatcttc cgcttga                                                       257
274 <210> SEQ ID NO: 28
275 <211> LENGTH: 20
276 <212> TYPE: DNA
277 <213> ORGANISM: Homo sapiens
279 <400> SEQUENCE: 28
280 tcttccgccc tgtgtctatc                                                    20
282 <210> SEQ ID NO: 29
283 <211> LENGTH: 20
284 <212> TYPE: DNA
285 <213> ORGANISM: Homo sapiens
287 <400> SEQUENCE: 29
288 tcaagcggaa gatttgtcct                                                    20
290 <210> SEQ ID NO: 30
291 <211> LENGTH: 257
292 <212> TYPE: DNA
293 <213> ORGANISM: Homo sapiens
295 <400> SEQUENCE: 30
296 tcttccgccc tgtgtctatc taggtcaggc ttctcaaacc tcaccatggc agatgcatca 60
297 tttggagacc ttgtgaaaat gtagactctg attccctagg tcaagggctg agattctgca 120
298 tttctttcaa aatcccaggt gatgctgctg ctgctgctgc tgctgctgct gctgctgctg 180
299 ctggtctaga ccacattttc agaagtaagg atttaaacaa tcagcaccca gggagctagg 240
300 acaaatcttc cgcttga                                                       257
302 <210> SEQ ID NO: 31
303 <211> LENGTH: 20
304 <212> TYPE: DNA
305 <213> ORGANISM: Homo sapiens
307 <400> SEQUENCE: 31
308 gaaagaagct gcaaacagca                                                    20
310 <210> SEQ ID NO: 32
311 <211> LENGTH: 20
312 <212> TYPE: DNA
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 10/20/2006
PATENT APPLICATION: **US/10/571,865**   TIME: 08:42:57

Input Set : **F:\2345.2058-003 SEQ LIST**.txt
Output Set: **N:\CRF4\10202006\J571865.raw**

Please Note:
**Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.**

Seq#:57; N Pos. 113,128
Seq#:61; N Pos. 32,113,116
Seq#:80; N Pos. 241
Seq#:89; N Pos. 303
Seq#:101; N Pos. 102
Seq#:107; N Pos. 10
Seq#:134; N Pos. 171
Seq#:158; N Pos. 142,149
Seq#:181; N Pos. 48
Seq#:203; N Pos. 155
Seq#:293; N Pos. 106

VERIFICATION SUMMARY　　　　　DATE: 10/20/2006
PATENT APPLICATION: **US/10/571,865**　　　TIME: 08:42:57

Input Set : **F:\2345.2058-003 SEQ LIST.txt**
Output Set: **N:\CRF4\10202006\J571865.raw**

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:602 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:60
M:341 Repeated in SeqNo=57
L:657 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:0
M:341 Repeated in SeqNo=61
L:853 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80 after pos.:240
L:942 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:300
L:1102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101 after pos.:60
L:1190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107 after pos.:0
L:1463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:134 after pos.:120
L:1735 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:158 after pos.:120
L:2116 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:181 after pos.:0
L:2381 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:203 after pos.:120
L:3352 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:293 after pos.:60